Philips
widescreen flat TV with
Crystal Clear

23"
LCD HD ready

23PF4321

Turn up your viewing experience

With Crystal Clear

Here is an LCD TV that not only enhances the décor of your home with its European styling and slim design, but also provides a great audio-visual experience with Crystal Clear and Virtual Dolby Surround.

Better quality images that reveal more detail
- High definition LCD WXGA display, resolution 1366 x 768p
- HD ready for the highest quality display of HDTV signals
- Crystal Clear improves picture depth

Superb sound reproduction
- Virtual Dolby Surround for a cinema-like audio experience

Stylish design
- Compact design

Designed for your convenience
- PC input lets you also use your TV as a PC monitor
- Smart Picture and Smart Sound to personalise your viewing.

For advanced performance
- DVI-I provides the best picture and flexible connectivity

FIFA WORLD CUP GERMANY 2006 OFFICIAL PARTNER

PHILIPS

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23PF4321/01

Technical specifications

Picture / Display
- Aspect ratio: Widescreen
- Brightness: 500 cd/m²
- Contrast ratio (typical): 450:1
- Diagonal screen size: 23 inch / 58 cm
- Display screen type: LCD WXGA Active Matrix TFT
- Picture enhancement: Progressive scan, Sharpness adjustment, Colour Temperature Adjustment, Crystal Clear, 2D combfilter, Contrast plus
- Screen enhancement: Anti reflection coated screen
- Viewing Angle (H / V): 140 / 125 degree
- Response time (typical): 16 ms
- Panel resolution: 1366 x 768p

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
1280 x 768	60Hz
640 x 480	60, 67, 72, 75Hz
800 x 600	56, 60, 72, 75Hz
1024 x 768	60, 70, 75Hz
832 x 624	75Hz

- Video formats

Resolution	Refresh rate
1920 x 1080i	2Fh
1280 x 720p	3Fh
720 x 576p	2Fh
720 x 576i	1Fh
640 x 480p	2Fh
640 x 480i	1Fh

Sound
- Sound enhancement: Dynamic bass enhancement
- Sound system: Nicam stereo, Virtual dolby surround, Mono
- Equaliser: 5-bands
- Output power (RMS): 2 x 5W

Convenience
- Ease of installation: Automatic Channel Install (ACI), Automatic Tuning System (ATS), Fine tuning, PLL digital tuning, Auto programme naming, Program name, Sorting, Auto store
- Ease of Use: Auto volume leveller (AVL), Program list, Smart picture control, Smart sound control, Menu control, On screen display
- Remote control type: RCFE05ZAU00
- Teletext: 10 page Smart Text
- Screen format adjustments: 4:3, Subtitle Zoom, Super Zoom, Movie expand 14:9, Movie expand 16:9, Widescreen
- Clock: Sleep timer
- Picture in Picture: Twin page text
- Remote control: TV
- VESA Mount:
- Teletext enhancements: 4 favourite pages, Program information line

Tuner / Reception / Transmission
- Tuner bands: Hyper band, S channel, UHF, VHF
- TV system: PAL, PAL B/G, PAL D/K, PAL I, SECAM, SECAM B/G, SECAM D/K, SECAM L/L'
- Video playback: NTSC, PAL, SECAM
- Aerial input: 75 ohm coaxial (IEC75)
- Tuner display: PLL
- Number of preset channels: 100

Connectivity
- Ext 1 Scart: Audio L/R, CVBS in/out, RGB
- Other connections: Antenna IEC75, PC audio in, DVI-I
- Front / Side connections: Audio in, Headphone out, CVBS in, S-Video in
- Number of scarts: 1

Power
- Power consumption: 75 W
- Standby power consumption: 1.2W
- Ambient temperature: +5°C/+45°C
- Power supply: AC 90-240

Dimensions
- Product weight: 10.2 kg
- Set dimensions (W x H x D): 716 x 375 x 98 mm
- Dimensions (with base) (W x H x D): 716 x 414 x 195 mm
- Box dimensions (W x H x D): 780 x 551 x 210 mm
- Set weight: 10.2 kg
- Weight incl. packaging: 13.3 kg
- Colour cabinet: Silver / Black

Accessories
- Included accessories: Table top stand, Power cord, Quick start guide, Registration card, Remote control, User manual
- Cables: DVI-I to YPbPr cable

stereo system					transmission system					
2CS	NICAM	2CS	NICAM	NICAM	PAL	PAL	PAL	SECAM	SECAM	SECAM
DK	DK	BG	I	LL'	BG	DK	I	BG	DK	LL'
o	o	o	o	o	o	o	o	o	o	o

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Product highlights

LCD WXGA display, 1366 x 768p
This WXGA display with state-of-the-art LCD screen technology gives you widescreen HD resolution of 1366 x 768p pixels. It produces brilliant flicker-free progressive scan pictures with optimum brightness and superb colours. This vibrant and sharp image will provide you with an enhanced viewing experience.

HD Ready
Enjoy the exceptional picture quality of a true High Definition TV signal and be fully prepared for HD sources like HDTV broadcast, Blu-ray DVD or HDVD. HD ready is a protected label that offers picture quality beyond that of progressive scan. It conforms to strict standards laid out by EICTA to offer a HD screen that displays the benefits of resolution and picture quality of a High Definition TV signal. It has a universal connection for both analogue YPbPr and uncompressed Digital connection of DVI or HDMI, supporting HDCP. It can display 720p, and 1080i signals at 50 and 60Hz.

Crystal Clear
Combining picture enhancements like Contrast plus and colour improvement, Crystal Clear improves picture depth.

Virtual dolby surround
Virtual Dolby Surround is a processing technology for enhancing surround sound effects. It will create the sensation of Dolby Pro Logic without the necessity for additional rear speakers. You become totally immersed in your television experience.

PC input
With PC input you can connect your TV to a computer and use the TV as a PC monitor.

Smart Picture & Smart Sound
Philips preset modes for Smart Picture and Smart Sound provide you with direct access via a single key on the remote control. You can select optimised picture and sound settings for the various picture modes such as Eco, Natural, Rich, Multimedia and Personal, and sound modes such as Movie, Voice, Music and Personal. Do refer to the DFU for the various picture and sound smart modes.

DVI-I input
A DVI-I input connects the non-compressed high-bandwidth digital RGB signal from source to screen. By eliminating the conversion of the digital signals to analogue, it delivers an unblemished and noisefree image, that is clear and flickerfree. The DVI input supports HDCP copy protection that allows viewing of copy protected programs from Digital Settop boxes, DVD players and HD recorders. DVI-I is future proof as it can be be connected to all HDMI devices (a converter cable is required). The DVI-I input also supports analogue PC-VGA signals.